

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10534210
Filing Date	2006-03-17
First Named Inventor	Salas
Art Unit	1656
Examiner Name	Not yet assigned
Attorney Docket Number	4408-P03626US00

U.S.PATENTS

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	1	3607287	DE		1988-01-07	Dorgerloh		<input checked="" type="checkbox"/>

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	2	09227549	JP		1997-09-02	Wakabayashi	<input checked="" type="checkbox"/>
	3	01/68867	WO		2001-09-20	Leadlay	<input type="checkbox"/>
	4	01/09113	WO		2001-02-08	Makk	<input type="checkbox"/>
	5	8173176	JP		1996-07-09	Wakabayashi	<input checked="" type="checkbox"/>

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	1	Anderson, B.F., et al., (1989) "Crystal and molecular structures of two isomorphous solvates of the macrolide antibiotic borrelidin: absolute configuration determination by incorporation of a chiral solvent in the in the crystal lattice," Aust. J. Chem., 42:717-730.	<input type="checkbox"/>
	2	Anderton, K., et al., (Apr. 17, 1965) "Some structural features of borrelidin, an anti-viral antibiotic," Nature 206:269.	<input type="checkbox"/>
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6	Berger, J., et al., (1949) "Borrelidin, a new antibiotic with anti-borrelia activity and penicillin enhancement properties," Arc. Biochem. 22:476-478.	<input type="checkbox"/>
7	Brautaset, T., et al., (May 23, 2000) "Biosynthesis of the polyene antifungal antibiotic nystatin in Streptomyces noursei ATCC 11455: analysis of the gene cluster and deduction of the biosynthetic pathway," Chem. Biol. 7:395-403.	<input type="checkbox"/>
8	Butler, A.R., et al., (Apr. 8, 1999) "Impact of thioesterase activity on tylosin biosynthesis in Streptomyces fradiae," Chem. Biol. 6:287-292.	<input type="checkbox"/>
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10	Cheng, Y.Q., et al., (Mar. 18, 2003) "Type I polyketide synthase requiring a discrete acyltransferase for polyketide biosynthesis," Proc. Natl. Acad. Sci. USA. 100:3149-3154.	<input type="checkbox"/>
11	Cortés J., et al., (Nov. 8, 1990) "An unusually large multifunctional polypeptide in the erythromycin producing polyketide synthase of Saccharopolyspora erythraea," Nature 348:176-178.	<input type="checkbox"/>
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15	Donadio, S., et al., (May 3, 1991) "Modular organization of genes required for complex polyketide biosynthesis," Science 252:675-679.	<input type="checkbox"/>
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17	Duffey, M.O., et al., (2003) "Enantioselective total synthesis of borrelidin," J. Am. Chem. Soc. 125:1458-1459.	<input type="checkbox"/>
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26	Bantleon, R., et al. (Apr. 1994) "Chloroperoxidase from Streptomyces lividans: Isolation and characterization of the enzyme and the corresponding gene," J. Bact. 176(8):2339-2347	<input type="checkbox"/>
27	Hunziker, D., et al., (1998) "Primer unit specificity in rifamycin biosynthesis principally resides in the later stages of the biosynthetic pathways," J. Am. Chem. Soc. 120:1092-1093.	<input type="checkbox"/>

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28	Kawamura, T., et al., (Aug. 2003) "Anti-angiogenesis effects of borrelidin are mediated through distinct pathways: Threonyl-tRNA synthetase and caspases are independently involved in suppression of proliferation and induction of apoptosis in endothelial cells," J. Antibiot. 56:709-715.	<input type="checkbox"/>
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32	Marsden, A.F.A., et al., (1998) "Engineering broader specificity into an antibiotic-producing polyketide synthase," Science 279:199-202.	<input type="checkbox"/>
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34	Olano, C., et al., (2003) "Evidence from engineered gene fusions for the repeated use of a module in a modular polyketide synthase," Chem. Commun. 2780-2782.	<input type="checkbox"/>
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39	Paetz, W., et al., (1973) "Biochemical and immunological characterization of threonyl-tRNA synthetase of two borrelidin-resistant mutants of Escherichia coli K12," Eur. J. Biochem. 35:331-337.	<input type="checkbox"/>
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43	Reeves, C.D., et al., (2001) "Alteration of the substrate specificity of a modular polyketide synthase acyltransferase domain through site-specific mutations," Biochemistry 40:15464-15470. (7 sheets).	<input type="checkbox"/>
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46	Schwecke, T., et al., (Aug. 1995) "The biosynthetic gene cluster for the polyketide immunosuppressant rapamycin," Proc. Nat. Acad. Sci. USA 92:7839-7843.	<input type="checkbox"/>
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	50	Swan, D.G., et al., (1994) "Characterization of a Streptomyces antibioticus gene encoding a type I polyketide synthase which has an unusual coding sequence," Mol. Gen. Genet. 242:258-362.	<input type="checkbox"/>
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☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

SIGNATURE

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Signature	/RCN/	Date (YYYY-MM-DD)	2007-09-06
Name/Print	Robert C. Netter, Jr., Ph.D., J.D.	Registration Number	56,422

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